Table 6-1

Sample Locations and Rationale
Recreation Building 503, Parcel 9(7)
Underground Storage Tank Closure Assessments
Fort McClellan, Calhoun County, Alabama

Parcel Number	Building Number	Tank Description	UXO (Yes or No)	Sample Location	Sample Media	Sample Location Rationale
9(7)	503	One 20,000-gallon heating oil UST closed in-place in 1994. Replaced with one 20,000-gallon heating oil UST.	No	UST-9-MW01	Groundwater	Permanent monitoring well was installed downgradient of the former 20,000-gallon UST and on the southeastern corner of Building 503. Sample data indicates if the groundwater has been impacted by past fuel leaks or spills.

UXO - Unexploded ordnance.

UST - Underground storage tank.

Ammunition Supply Point Building 4400, Parcel 31(7)
Underground Storage Tank Closure Assessments
Fort McClellan, Calhoun County, Alabama

Parcel Number	Building Number	Tank Description	UXO (Yes or No)	Sample Location	Sample Media	Sample Location Rationale
31(7)	4400	One 1,000-gallon heating oil UST removed in 1994.	No	UST-31-MW01	Groundwater	One monitoring well was installed downgradient and in the northwestern corner of Building 4400, adjacent to the removed 1,000-gallon heating oil UST. The sample data were used to determine if groundwater contamination exists from historical use of heatin

UXO - Unexploded ordnance.
UST - Underground storage tank.

Table 6-3

Sample Locations and Rationale
Building S-55, Parcel 33(7)
Underground Storage Tank Closure Assessments
Fort McClellan, Calhoun County, Alabama

Parcel Number	Building Number	Tank Description	UXO (Yes or No)	Sample Location	Sample Media	Sample Location Rationale
33(7)	S-55	One 4,000-gallon heating oil UST removed by IT in 1991.	No	UST-33-MW01	Subsurface soil and groundwater	One subsurface soil sample and one monitoring well were installed north and topographically downgradient of the former 4,000-gallon heating oil UST. The sample data were used to determine if soil and groundwater contamination exists from historical use o
				UST-33-MW02	Subsurface soil and groundwater	One subsurface soil sample and monitoring well were installed northeast and topographically downgradient of the former 4,000-gallon heating oil UST. The sample data were used to determine if soil and/or groundwater contamination exists from historical us
				UST-33-MW03	Subsurface soil and groundwater	One subsurface soil sample and monitoring well were installed south and topographically upgradient of the former 4,000-gallon heating oil UST. The sample data were used to determine if soil and groundwater contamination exists upgradient of Building S-55

UXO - Unexploded ordnance.
UST - Underground storage tank.
IT - IT Corporation.

Table 6-4

Subsurface Soil Analytical Results
Building S-55, Parcel 33(7)
Underground Storage Tank Closure Assessments
Fort McClellan, Calhoun County, Alabama

				Parcel	UST-33-MW01			UST-33-MW02			UST-33-MW03		
				Sample Location	UST-33			UST-33			UST-33		
				Sample Number	CJ0012			CJ0014			CJ0015		
				Sample Date	9-Nov-99			9-Nov-99			9-Nov-99		
				Sample Depth (Feet)	9-11			10-12			10-12		
Parameter	**Units**	**BKG[a]**	**SSSL[b]**	**Result**	**>BKG**	**>SSSL**	**Result**	**>BKG**	**>SSSL**	**Result**	**>BKG**	**>SSSL**
BTEX												
Ethylbenzene	mg/kg	NA	7.77E+02	ND			1.40E-02			1.40E-02		
Toluene	mg/kg	NA	1.55E+03	ND			ND			6.90E-03		
Xylene, Total	mg/kg	NA	1.55E+04	1.40E-02			4.40E-02			2.70E-02		
LEAD												
Lead	mg/kg	3.85E+01	4.00E+02	1.73E+01			1.74E+01			2.61E+01		

[a] Concentration listed is two times (2x) the arithmetic mean of background metals concentration given in Science Applications International Corporation (1998), *Final Background Metals Survey Report, Fort McClellan, Alabama,* July.

[b] Residential human health site-specific screening level (SSSL) as given in IT Corporation (2000), *Final Human Health and Ecological Screening Values and PAH Background Summary Report, Fort McClellan, Calhoun County, Alabama,* July.

BTEX - Benzene, toluene, ethylbenzene, and xylene.

mg/kg - Milligrams per kilogram.

BKG - Background.

SSSL - Site-specific screening level.

ND - Not detected.

NA - Not available.

Table 6-5

Groundwater Analytical Results
Building S-55, Parcel 33(7)
Underground Storage Tank Closure Assessment
Fort McClellan, Calhoun County, Alabama

Parcel				UST-33-MW01			UST-33-MW02			UST-33-MW03		
Sample Location				UST-33			UST-33			UST-33		
Sample Number				CJ3023			CJ3024			CJ3025		
Sample Date				17-Jan-00			17-Jan-00			19-Jan-00		
Parameter	**Units**	**BKG[a]**	**SSSL[b]**	**Result**	**>BKG**	**>SSSL**	**Result**	**>BKG**	**>SSSL**	**Result**	**>BKG**	**>SSSL**
BTEX												
Xylene, Total	mg/L		2.80E+00	4.50E-04			3.70E-04			ND		

[a] Concentration listed is two times (2x) the arithmetic mean of background metals concentration given in Science Applications International Corporation (1998), *Final Background Metals Survey Report, Fort McClellan, Alabama,* July.

[b] Residential human health site-specific screening level (SSSL) as given in IT Corporation (2000), *Final Human Health and Ecological Screening Values and PAH Background Summary Report, Fort McClellan, Calhoun County, Alabama,* July.

BTEX - Benzene, toluene, ethylbenzene, and xylene.

mg/L - Milligrams per liter.

BKG - Background.

SSSL - Site-specific screening level.

ND - Not detected.

NA - Not available.

Table 6-6

Sample Locations and Rationale
Fitness Center Building 128, Parcel 34(7)
Underground Storage Tank Closures
Fort McClellan, Calhoun County, Alabama

Parcel Number	Building Number	Tank Description	UXO (Yes or No)	Sample Location	Sample Media	Sample Location Rationale
34(7)	128	One 4,000-gallon heating oil UST removed and replaced with another 4,000-gallon UST in 1996.	No	UST-34-MW01	Subsurface soil and groundwater	Permanent monitoring well was installed and subsurface soil sample was collected topographically downgradient of the former 4,000-gallon steel heating oil UST. Sample data were used to determine if either subsurface soil or groundwater contamination exis
				UST-34-GP01	Subsurface soil	Soil boring for subsurface soil sample was collected topographically downgradient of the 4,000-gallon steel heating oil UST. Sample data were used to indicate if subsurface soil contamination exists from previous leaks or spills.
				UST-34-GP02	Subsurface soil	Soil boring for subsurface soil sample was collected topographically upgradient of the 4,000-gallon heating oil UST and on the northwestern corner of Building 128. Sample data were used to indicate if subsurface soil contamination exists upgradient of th

UXO - Unexploded ordnance.
UST - Underground storage tank.

Table 6-7

Subsurface Soil Analytical Results
Fitness Center Building 128, Parcel 34(7)
Underground Storage Tank Closure Assessments
Fort McClellan, Calhoun County, Alabama

				Parcel	UST-34-GP01			UST-34-GP02			UST-34-MW01		
				Sample Location	UST-34			UST-34			UST-34		
				Sample Number	CJ0017			CJ0018			CJ0016		
				Sample Date	8-Nov-99			2-Nov-99			8-Nov-99		
				Sample Depth (Feet)	7-8			10-12			10-12		
Parameter	**Units**	**BKG[a]**	**SSSL[b]**	**Result**	**>BKG**	**>SSSL**	**Result**	**>BKG**	**>SSSL**	**Result**	**>BKG**	**>SSSL**
BTEX												
Ethylbenzene	mg/kg	NA	7.77E+02	1.20E-02			2.50E-02			1.70E-02		
Toluene	mg/kg	NA	1.55E+03	4.50E-03			ND			1.80E-02		
Xylene, Total	mg/kg	NA	1.55E+04	1.70E-02			5.20E-02			5.90E-02		
LEAD												
Lead	mg/kg	3.85E+01	4.00E+02	4.40E+00			5.70E+00			1.03E+01		

[a] Concentration listed is two times (2x) the arithmetic mean of background metals concentration given in Science Applications International Corporation (1998), *Final Background Metals Survey Report, Fort McClellan, Alabama,* July.

[b] Residential human health site-specific screening level (SSSL) as given in IT Corporation (2000), *Final Human Health and Ecological Screening Values and PAH Background Summary Report, Fort McClellan, Calhoun County, Alabama,* July.

BTEX - Benzene, toluene, ethylbenzene, and xylene.

mg/kg - Milligrams per kilogram.

BKG - Background.

SSSL - Site-specific screening level.

ND - Not detected.

NA - Not available.

Table 6-8

Sample Locations and Rationale
Field House Building 130, Parcel 35(7)
Underground Storage Tank Closure Assessments
Fort McClellan, Calhoun County, Alabama

Parcel Number	Building Number	Tank Description	UXO (Yes or No)	Sample Location	Sample Media	Sample Location Rationale
35(7)	130	One 1,000-gallon heating oil UST removed and replaced with a 2,500-gallon UST in 1996.	No	UST-35-MW01	Subsurface soil and groundwater	Permanent monitoring well was installed and a subsurface soil sample was collected topographically downgradient of the former 2,500-gallon steel heating oil UST. Sample data were used to determine if either subsurface soil or groundwater contamination ex
				UST-35-GP01	Subsurface soil	Soil boring for subsurface soil sample was collected topographically downgradient of the 2,5000-gallon steel heating oil UST. Sample data were used to indicate if subsurface soil contamination exists from previous leaks or spills.
				UST-35-GP02	Subsurface soil	Soil boring for subsurface soil sample was collected topographically upgradient of the 2,500-gallon steel heating oil UST and on the northwestern side of Building 130. Sample data were used to indicate if subsurface soil contamination exists upgradient o

UXO - Unexploded ordnance.
UST - Underground storage tank.

Table 6-9

Subsurface Soil Analytical Results
Field House Building 130, Parcel 35(7)
Underground Storage Tank Closure Assessments
Fort McClellan, Calhoun County, Alabama

			Parcel	UST-35-GP01			UST-35-GP02			UST-35-MW01		
			Sample Location	UST-35			UST-35			UST-35		
			Sample Number	CJ0020			CJ0021			CJ0019		
			Sample Date	2-Nov-99			2-Nov-99			2-Nov-99		
			Sample Depth (Feet)	5-7			7-8			10-12		
Parameter	**Units**	**BKG[a]**	**SSSL[b]**	**Result**	**>BKG**	**>SSSL**	**Result**	**>BKG**	**>SSSL**	**Result**	**>BKG**	**>SSSL**
BTEX												
Ethylbenzene	mg/kg	NA	7.77E+02	1.50E-02			1.50E-02			1.30E-02		
Toluene	mg/kg	NA	1.55E+03	1.20E-02			6.80E-03			5.30E-03		
Xylene, Total	mg/kg	NA	1.55E+04	3.00E-02			2.60E-02			2.40E-02		
LEAD												
Lead	mg/kg	3.85E+01	4.00E+02	1.06E+01			9.90E+00			1.44E+01		

[a] Concentration listed is two times (2x) the arithmetic mean of background metals concentration given in Science Applications International Corporation (1998), *Final Background Metals Survey Report, Fort McClellan, Alabama,* July.

[b] Residential human health site-specific screening level (SSSL) as given in IT Corporation (2000), *Final Human Health and Ecological Screening Values and PAH Background Summary Report, Fort McClellan, Calhoun County, Alabama,* July.

BTEX - Benzene, toluene, ethylbenzene, and xylene.

mg/kg - Milligrams per kilogram.

BKG - Background.

SSSL - Site-specific screening level.

NA - Not available.

Table 6-10

Sample Locations and Rationale
Administrative Building 141, Parcel 36(7)
Underground Storage Tank Closure Assessments
Fort McClellan, Calhoun County, Alabama

Parcel Number	Building Number	Tank Description	UXO (Yes or No)	Sample Location	Sample Media	Sample Location Rationale
36(7)	141	One 2,500-gallon heating oil UST was removed and replaced in 1996 with another 2,500-gallon UST.	No	UST-36-MW01	Subsurface soil and groundwater	Permanent monitoring well was installed and a subsurface soil sample was collected topographically downgradient of the former 2,500-gallon steel heating oil UST. Sample data were used to determine if either subsurface soil or groundwater contamination ex
				UST-36-GP01	Subsurface soil	Soil boring for subsurface soil sample was collected topographically downgradient of the 2,500-gallon steel heating oil UST. Sample data were used to indicate if subsurface soil contamination exists from previous leaks or spills.
				UST-36-GP02	Subsurface soil	Soil boring for subsurface soil sample was collected topographically upgradient of the 2,500-gallon steel heating oil UST and on the northwestern side of Building 141. Sample data were used to indicate if subsurface soil contamination exists upgradient o

UXO - Unexploded ordnance.
UST - Underground storage tank.

Table 6-11

Subsurface Soil Analytical Results
Administrative Building 141, Parcel 36(7)
Underground Storage Tank Closure Assessments
Fort McClellan, Calhoun County, Alabama

			Parcel	UST-36-GP01			UST-36-GP02			UST-36-MW01		
			Sample Location	UST-36			UST-36			UST-36		
			Sample Number	CJ0025			CJ0026			CJ0022		
			Sample Date	10-Nov-99			10-Nov-99			10-Nov-99		
			Sample Depth (Feet)	10-12			10-12			8-12		
Parameter	**Units**	**BKG[a]**	**SSSL[b]**	**Result**	**>BKG**	**>SSSL**	**Result**	**>BKG**	**>SSSL**	**Result**	**>BKG**	**>SSSL**
BTEX												
Ethylbenzene	mg/kg	NA	7.77E+02	1.30E-02			1.30E-02			1.70E-02		
Toluene	mg/kg	NA	1.55E+03	6.70E-03			6.30E-03			5.90E-03		
Xylene, Total	mg/kg	NA	1.55E+04	2.60E-02			2.40E-02			2.50E-02		
LEAD												
Lead	mg/kg	3.85E+01	4.00E+02	2.27E+01			1.65E+01			1.87E+01		

[a] Concentration listed is two times (2x) the arithmetic mean of background metals concentration given in Science Applications International Corporation (1998), *Final Background Metals Survey Report, Fort McClellan, Alabama,* July.

[b] Residential human health site-specific screening level (SSSL) as given in IT Corporation (2000), *Final Human Health and Ecological Screening Values and PAH Background Summary Report, Fort McClellan, Calhoun County, Alabama,* July.

BTEX - Benzene, toluene, ethylbenzene, and xylene.

mg/kg - Milligrams per kilogram.

BKG - Background.

SSSL - Site-specific screening level.

NA - Not available.

Table 6-12

Sample Locations and Rationale
Bivouac Area Building B-44, Parcel 38(7)
Underground Storage Tank Closure Assessments
Fort McClellan, Calhoun County, Alabama

Parcel Number	Building Number	Tank Description	UXO (Yes or No)	Sample Location	Sample Media	Sample Location Rationale
38(7)	B-44	One 1,000-gallon heating oil UST was removed, but not replaced in 1996.	Yes	UST-38-MW01	Subsurface soil and groundwater	Permanent monitoring well was installed and a subsurface soil sample was collected topographically downgradient of the former 1,000-gallon heating oil UST. Sample data were used to determine if either subsurface soil or groundwater contamination exists f
				UST-38-GP01	Subsurface soil	Soil boring for subsurface soil sample was collected topographically downgradient of the former 1,000-gallon heating oil UST. Sample data were used to indicate if subsurface soil contamination exists from previous leaks or spills.
				UST-38-GP02	Subsurface soil	Soil boring for subsurface soil sample was collected topographically upgradient of the former 1,000-gallon heating oil UST. Sample data were used to indicate if subsurface soil contamination exists upgradient of the UST.

UXO - Unexploded ordnance.
UST - Underground storage tank.

Table 6-13

Subsurface Soil Analytical Results
Bivouac Area Building B-44, Parcel 38(7)
Underground Storage Tank Closure Assessments
Fort McClellan, Calhoun County, Alabama

				Parcel	UST-38-GP01			UST-38-GP02			UST-38-MW01		
				Sample Location	UST-38			UST-38			UST-38		
				Sample Number	CJ0031			CJ0032			CJ0030		
				Sample Date	28-Oct-99			28-Oct-99			28-Oct-99		
				Sample Depth (Feet)	10-12			10-12			10-12		
Parameter	**Units**	**BKG[a]**	**SSSL[b]**	**Result**	**>BKG**	**>SSSL**	**Result**	**>BKG**	**>SSSL**	**Result**	**>BKG**	**>SSSL**
BTEX												
Benzene	mg/kg	NA	2.17E+01	ND			1.40E-02			ND		
Ethylbenzene	mg/kg	NA	7.77E+02	1.40E-02			1.70E-02			1.30E-02		
Xylene, Total	mg/kg	NA	1.55E+04	2.00E-02			2.10E-02			2.10E-02		
LEAD												
Lead	mg/kg	3.85E+01	4.00E+02	1.52E+01			6.10E+00			4.20E+00		

[a] Concentration listed is two times (2x) the arithmetic mean of background metals concentration given in Science Applications International Corporation (1998), *Final Background Metals Survey Report, Fort McClellan, Alabama,* July.

[b] Residential human health site-specific screening level (SSSL) as given in IT Corporation (2000), *Final Human Health and Ecological Screening Values and PAH Background Summary Report, Fort McClellan, Calhoun County, Alabama,* July.

BTEX - Benzene, toluene, ethylbenzene, and xylene.

mg/kg - Milligrams per kilogram.

BKG - Background.

SSSL - Site-specific screening level.

ND - Not detected.

NA - Not available.

Table 6-14

Groundwater Analytical Results
Bivouac Area Building B-44, Parcel 38(7)
Underground Storage Tank Closure Assessments
Fort McClellan, Calhoun County, Alabama

			Parcel	UST-38-MW01		
			Sample Location	UST-38		
			Sample Number	CJ3058		
			Sample Date	21-Feb-00		
Parameter	**Units**	**BKG[a]**	**SSSL[b]**	**Result**	**>BKG**	**>SSSL**
POLYNUCLEAR AROMATIC HYDROCARBONS						
Naphthalene	mg/L	NA	3.00E-03	6.60E-02		YES

[a] Concentration listed is two times (2x) the arithmetic mean of background metals concentration given in Science Applications International Corporation (1998), *Final Background Metals Survey Report, Fort McClellan, Alabama,* July.

[b] Residential human health site-specific screening level (SSSL) as given in IT Corporation (2000), *Final Human Health and Ecological Screening Values and PAH Background Summary Report, Fort McClellan, Calhoun County, Alabama,* July.

mg/L - Milligrams per liter.

BKG - Background.

SSSL - Site-specific screening level.

NA - Not available.

Table 6-15

Sample Locations and Rationale
Former Clothing Building 273, Parcel 39(7)
Underground Storage Tank Closure Assessments
Fort McClellan, Calhoun County, Alabama

Parcel Number	Building Number	Tank Description	UXO (Yes or No)	Sample Location	Sample Media	Sample Location Rationale
39(7)	273	One 1,000-gallon heating oil UST was removed by IT in 1991, but was not replaced.	No	UST-39-MW01	Groundwater	Permanent monitoring well was installed topographically downgradient of the former 1,000-gallon heating oil UST. Sample data were used to determine if groundwater contamination exists from previous leaks or spills. The monitoring well location was used
				UST-39-MW02	Groundwater	Permanent monitoring well was installed topographically downgradient of the former 1,000-gallon heating oil UST. Sample data were used to determine if groundwater contamination exists from previous leaks or spills. The monitoring well location was used
				UST-39-MW03	Groundwater	Permanent monitoring well was installed topographically upgradient (north) of the former 1,000-gallon heating oil UST. Sample data were used to determine if groundwater contamination exists upgradient of the UST. The monitoring well location was used to
				UST-39-GP01	Subsurface soil	Soil boring for subsurface soil sample were collected topographically downgradient (south) of the 1,000-gallon heating oil UST. Sample data were used to indicate if subsurface soil contamination exists from previous leaks or spills.
				UST-39-GP02	Subsurface soil	Soil boring for subsurface soil sample were collected within the approximate vicinity of the former 1,000-gallon heating oil UST. The UST was reportedly removed from the hillside, south-southeast of former Building 273. Sample data were used to determin
				UST-39-GP03	Subsurface soil	Soil boring for subsurface soil sample were collected topographically upgradient of the former 1,000-gallon heating oil UST. Sample data were used to determine if subsurface soil contamination exists upgradient of the former UST.

UXO - Unexploded ordnance.
UST - Underground storage tank.
IT - IT Corporation.

Table 6-16

Subsurface Soil Analytical Results
Former Clothing Building 273, Parcel 39(7)
Underground Storage Tank Closure Assessments
Fort McClellan, Calhoun County, Alabama

				Parcel	UST-39-GP01			UST-39-GP02			UST-39-GP03		
				Sample Location	UST-39			UST-39			UST-39		
				Sample Number	CJ0034			CJ0035			CJ0036		
				Sample Date	2-Nov-99			2-Nov-99			1-Nov-99		
				Sample Depth (Feet)	10-12			10-12			10-12		
Parameter	**Units**	**BKG[a]**	**SSSL[b]**	**Result**	**>BKG**	**>SSSL**	**Result**	**>BKG**	**>SSSL**	**Result**	**>BKG**	**>SSSL**
BTEX												
Benzene	mg/kg	NA	2.17E+01	ND			6.50E-03			ND		
Ethylbenzene	mg/kg	NA	7.77E+02	1.40E-02			1.20E-02			ND		
Toluene	mg/kg	NA	1.55E+03	7.10E-03			ND			ND		
Xylene, Total	mg/kg	NA	1.55E+04	1.90E-02			1.60E-02			1.60E-02		
LEAD												
Lead	mg/kg	3.85E+01	4.00E+02	1.80E+01			1.19E+01			1.23E+01		

[a] Concentration listed is two times (2x) the arithmetic mean of background metals concentration given in Science Applications International Corporation (1998), *Final Background Metals Survey Report, Fort McClellan, Alabama,* July.

[b] Residential human health site-specific screening level (SSSL) as given in IT Corporation (2000), *Final Human Health and Ecological Screening Values and PAH Background Summary Report, Fort McClellan, Calhoun County, Alabama,* July.

BTEX - Benzene, toluene, ethylbenzene, and xylene.

mg/kg - Milligrams per kilogram.

BKG - Background.

SSSL - Site-specific screening level.

ND - Not detected.

NA - Not available.

Table 6-17

Groundwater Analytical Results
Former Clothing Building 273, Parcel 39(7)
Underground Storage Tank Closure Assessments
Fort McClellan, Calhoun County, Alabama

				Parcel	UST-39-MW01			UST-39-MW02			UST-39-MW03		
				Sample Location	UST-39			UST-39			UST-39		
				Sample Number	CJ3033			CJ3034			CJ3035		
				Sample Date	12-Jan-00			1-Feb-00			13-Jan-00		
Parameter	**Units**	**BKG[a]**	**SSSL[b]**		**Result**	**>BKG**	**>SSSL**	**Result**	**>BKG**	**>SSSL**	**Result**	**>BKG**	**>SSSL**
BTEX													
Toluene	mg/L	NA	2.59E-01		3.80E-04			ND			ND		

[a] Concentration listed is two times (2x) the arithmetic mean of background metals concentration given in Science Applications International Corporation (1998), *Final Background Metals Survey Report, Fort McClellan, Alabama,* July.

[b] Residential human health site-specific screening level (SSSL) as given in IT Corporation (2000), *Final Human Health and Ecological Screening Values and PAH Background Summary Report, Fort McClellan, Calhoun County, Alabama,* July.

BTEX - Benzene, toluene, ethylbenzene, and xylene.

mg/L - Milligrams per liter.

BKG - Background.

SSSL - Site-specific screening level.

ND - Not detected.

NA - Not available.

Table 6-18

Sample Locations and Rationale
Noble Army Hospital, Parcel 40(7)
Underground Storage Tank Closure Assessments
Fort McClellan, Calhoun County, Alabama

Parcel Number	Building Number	Tank Description	UXO (Yes or No)	Sample Location	Sample Media	Sample Location Rationale
40(7)	292	One 8,000-gallon heating oil UST was removed and replaced with a second UST in 1996.	No	UST-40-MW01	Subsurface soil and groundwater	Permanent monitoring well was installed and a subsurface soil sample was collected topographically downgradient of the former and existing 8,000-gallon heating oil UST. Sample data were used to determine if either subsurface soil or groundwater contamina
				UST-40-GP01	Subsurface soil	Soil boring for subsurface soil sample was collected topographically downgradient (southeast) of the 8,000-gallon heating oil UST. Sample data were used to indicate if subsurface soil contamination exists from previous leaks or spills.
				UST-40-GP02	Subsurface soil	Soil boring for subsurface soil sample was collected topographically upgradient (north-northwest) of the former and existing 8,000-gallon heating oil UST. Sample data were used to indicate if subsurface soil contamination exists upgradient of the UST.

UXO - Unexploded ordnance.
UST - Underground storage tank.

Table 6-19

Subsurface Soil Analytical Results
Noble Army Hospital, Parcel 40(7)
Underground Storage Tank Closure Assessments
Fort McClellan, Calhoun County, Alabama

			Sample Location	UST-40			UST-40			UST-40		
			Sample Number	CJ0038			CJ0039			CJ0037		
			Sample Date	3-Nov-99			3-Nov-99			3-Nov-99		
			Sample Depth (Feet)	7-8			7-8			7-8		
Parameter	**Units**	**BKG[a]**	**SSSL[b]**	**Result**	**>BKG**	**>SSSL**	**Result**	**>BKG**	**>SSSL**	**Result**	**>BKG**	**>SSSL**
BTEX												
Benzene	mg/kg	NA	2.17E+01	ND			ND			1.30E-02		
Ethylbenzene	mg/kg	NA	7.77E+02	ND			1.70E-02			1.30E-02		
Toluene	mg/kg	NA	1.55E+03	5.70E-03			5.30E-03			6.40E-03		
Xylene, Total	mg/kg	NA	1.55E+04	1.80E-02			3.10E-02			2.50E-02		
LEAD												
Lead	mg/kg	3.85E+01	4.00E+02	1.19E+01			1.34E+01			1.36E+01		

[a] Concentration listed is two times (2x) the arithmetic mean of background metals concentration given in Science Applications International Corporation (1998), *Final Background Metals Survey Report, Fort McClellan, Alabama,* July.

[b] Residential human health site-specific screening level (SSSL) as given in IT Corporation (2000), *Final Human Health and Ecological Screening Values and PAH Background Summary Report, Fort McClellan, Calhoun County, Alabama,* July.

BTEX - Benzene, toluene, ethylbenzene, and xylene.

mg/kg - Milligrams per kilogram.

BKG - Background.

SSSL - Site-specific screening level.

ND - Not detected.

NA - Not available.

Table 6-20

Sample Locations and Rationale
Former Building 1201, Parcel 44(7)
Underground Storage Tank Closure Assessments
Fort McClellan, Calhoun County, Alabama

Parcel Number	Building Number	Tank Description	UXO (Yes or No)	Sample Location	Sample Media	Sample Location Rationale
44(7)	1201	One 1,000-gallon heating oil UST was removed in February 1996. Building 1201 was demolished.	Yes	UST-44-MW01	Groundwater	Permanent monitoring well was installed topographically downgradient (south-southwest) of the former 1,000-gallon heating oil UST. Sample data were used to determine if groundwater contamination exists from previous leaks or spills. The monitoring well
				UST-44-MW02	Groundwater	Permanent monitoring well was installed topographically downgradient (south) of the former 1,000-gallon heating oil UST. Sample data were used to determine if groundwater contamination exists from previous leaks or spills. The monitoring well location w
				UST-44-MW03	Groundwater	Permanent monitoring well was installed topographically upgradient (north-northeast) of the former 1,000-gallon heating oil UST. Sample data were used to determine if groundwater contamination exists from previous leaks or spills. The monitoring well l
				UST-44-GP01	Subsurface soil	Soil boring for subsurface soil sample was collected topographically downgradient (southwest) of the former 1,000-gallon heating oil UST. Sample data were used to indicate if subsurface soil contamination exists from previous leaks or spills.
				UST-44-GP02	Subsurface soil	Soil boring for subsurface soil sample was collected within the approximate vicinity of the former 1,000-gallon heating oil UST. The exact location of the former UST is reportedly located between 1st Street and the Building 1201 foundation. Sample data
				UST-44-GP03	Subsurface soil	Soil boring for subsurface soil sample was collected upgradient of the removed 1,000-gallon UST. Sample data were used to determine if subsurface soil contamination exists upgradient of the site and former UST.

UXO - Unexploded ordnance.
UST - Underground storage tank.

Table 6-21

Subsurface Soil Analytical Results
Former Building 1201, Parcel 44(7)
Underground Storage Tank Closure Assessment
Fort McClellan, Calhoun County, Alabama

				Parcel	UST-44-GP01			UST-44-GP02			UST-44-GP03		
				Sample Location	UST-44			UST-44			UST-44		
				Sample Number	CJ0045			CJ0046			CJ0047		
				Sample Date	27-Oct-99			27-Oct-99			26-Oct-99		
				Sample Depth (Feet)	10-12			10-12			10-12		
Parameter	**Units**	**BKG[a]**	**SSSL[b]**		**Result**	**>BKG**	**>SSSL**	**Result**	**>BKG**	**>SSSL**	**Result**	**>BKG**	**>SSSL**
BTEX													
Ethylbenzene	mg/kg	NA	7.77E+02		4.60E-02			2.10E-02			2.50E-02		
Toluene	mg/kg	NA	1.55E+03		7.50E-03			1.00E-02			ND		
Xylene, Total	mg/kg	NA	1.55E+04		1.40E-01			3.60E-02			6.30E-02		
LEAD													
Lead	mg/kg	3.85E+01	4.00E+02		1.81E+01			2.26E+01			2.57E+01		
POLYNUCLEAR AROMATIC HYDROCARBONS													
Benzo(a)anthracene	mg/kg	NA	8.51E-01		3.40E-03			3.90E-03			ND		
Benzo(a)pyrene	mg/kg	NA	8.51E-02		1.80E-02			1.70E-02			ND		
Benzo(b)fluoranthene	mg/kg	NA	8.51E-01		1.10E-02			9.40E-03			ND		
Benzo(ghi)perylene	mg/kg	NA	2.32E+02		1.80E-02			1.50E-02			ND		
Benzo(k)fluoranthene	mg/kg	NA	8.51E+00		9.50E-03			1.00E-02			ND		
Chrysene	mg/kg	NA	8.61E+01		7.40E-03			7.20E-03			ND		
Fluoranthene	mg/kg	NA	3.09E+02		1.40E-02			1.30E-02			ND		
Indeno(1,2,3-cd)pyrene	mg/kg	NA	8.51E-01		2.10E-02			1.70E-02			ND		
Pyrene	mg/kg	NA	2.33E+02		7.10E-03			1.00E-02			ND		

[a] Concentration listed is two times (2x) the arithmetic mean of background metals concentration given in Science Applications International Corporation (1998), *Final Background Metals Survey Report, Fort McClellan, Alabama,* July.

[b] Residential human health site-specific screening level (SSSL) as given in IT Corporation (2000), *Final Human Health and Ecological Screening Values and PAH Background Summary Report, Fort McClellan, Calhoun County, Alabama,* July.

BTEX - Benzene, toluene, ethylbenzene, and xylene.

mg/kg - Milligrams per kilogram.

BKG - Background.

SSSL - Site-specific screening level.

ND - Not detected.

NA - Not available.

Table 6-22

Groundwater Analytical Results
Former Building 1201, Parcel 44(7)
Underground Storage Tank Closure Assessments
Fort McClellan, Calhoun County, Alabama

				Parcel	UST-44-MW01			UST-44-MW02			UST-44-MW03		
				Sample Location	UST-44			UST-44			UST-44		
				Sample Number	CJ3042			CJ3043			CJ3044		
				Sample Date	11-Jan-00			12-Jan-00			12-Jan-00		
Parameter	**Units**	**BKG**	**SSSL**		**Result**	**>BKG**	**>SSSL**	**Result**	**>BKG**	**>SSSL**	**Result**	**>BKG**	**>SSSL**
LEAD													
Lead	mg/L	7.99E-03	1.50E-02		1.36E-02	YES		4.54E-02	YES	YES	ND		

mg/L - Milligrams per liter.

BKG - Background.

SSSL - Site-specific screening level.

ND - Not detected.

Table 6-23

Sample Locations and Rationale
Former Building 1202, Parcel 45(7)
Underground Storage Tank Closure Assessments
Fort McClellan, Calhoun County, Alabama

Parcel Number	Building Number	Tank Description	UXO (Yes or No)	Sample Location	Sample Media	Sample Location Rationale
45(7)	1202	One 1,000-gallon heating oil UST was removed in February 1996. Building 1202 was demolished.	Yes	UST-45-MW01	Groundwater	Permanent monitoring well was installed topographically downgradient (north-northwest) of the former 1,000-gallon heating oil UST. Sample data were used to determine if groundwater contamination exists from previous leaks or spills. The monitoring well
				UST-45-MW02	Groundwater	Permanent monitoring well was installed topographically downgradient (northwest) of the former 1,000 gallon heating oil UST. Sample data were used to determine if groundwater contamination exists from previous leaks or spills. The monitoring well locati
				UST-45-MW03	Groundwater	Permanent monitoring well was installed topographically upgradient (south-southeast) of the former 1,000-gallon heating oil UST. Sample data were used to determine if groundwater contamination exists upgradient of the site and former UST. The monitoring
				UST-45-GP01	Subsurface soil	Soil boring for subsurface soil sample was collected topographically downgradient (northwest) of the 1,000-gallon heating oil UST. Sample data were used to indicate if subsurface soil contamination exists from previous leaks or spills.
				UST-45-GP02	Subsurface soil	Soil boring for subsurface soil sample was collected within the approximate vicinity of the former 1,000 gallon heating oil UST.
				UST-45-GP03	Subsurface soil	Soil boring for subsurface soil sample was collected upgradient (south-southeast) of the removed 1,000-gallon UST. Sample data were used to determine if subsurface soil contamination exists upgradient of the site and former UST.

UXO - Unexploded ordnance.
UST - Underground storage tank.

Table 6-24

Subsurface Soil Analytical Results
Former Building 1202, Parcel 45(7)
Underground Storage Tank Closure Assessments
Fort McClellan, Calhoun County, Alabama

				Parcel	UST-45-GP01			UST-45-GP02			UST-45-GP03		
				Sample Location	UST-45			UST-45			UST-45		
				Sample Number	CJ0048			CJ0049			CJ0050		
				Sample Date	27-Oct-99			27-Oct-99			27-Oct-99		
				Sample Depth (Feet)	10-12			10-12			10-12		
Parameter	**Units**	**BKG[a]**	**SSSL[b]**	**Result**	**>BKG**	**>SSSL**	**Result**	**>BKG**	**>SSSL**	**Result**	**>BKG**	**>SSSL**
BTEX												
Benzene	mg/kg	NA	2.17E+01	ND			5.60E-03			1.20E-02		
Toluene	mg/kg	NA	1.55E+03	1.50E-02			1.20E-02			1.30E-02		
LEAD												
Lead	mg/kg	3.85E+01	4.00E+02	4.59E+01	YES		4.75E+01	YES		5.97E+01	YES	

[a] Concentration listed is two times (2x) the arithmetic mean of background metals concentration given in Science Applications International Corporation (1998), *Final Background Metals Survey Report, Fort McClellan, Alabama,* July.

[b] Residential human health site-specific screening level (SSSL) as given in IT Corporation (2000), *Final Human Health and Ecological Screening Values and PAH Background Summary Report, Fort McClellan, Calhoun County, Alabama,* July.

BTEX - Benzene, toluene, ethylbenzene, and xylene.

mg/kg - Milligrams per kilogram.

BKG - Background.

SSSL - Site-specific screening level.

ND - Not detected.

NA - Not available.

Table 6-25

Groundwater Analytical Results
Former Building 1202, Parcel 45(7)
Underground Storage Tank Closure Assessments
Fort McClellan, Calhoun County, Alabama

				Parcel	UST-45-MW01			UST-45-MW02			UST-45-MW03		
				Sample Location	UST-45			UST-45			UST-45		
				Sample Number	CJ3045			CJ3046			CJ3047		
				Sample Date	24-Jan-00			20-Jan-00			25-Jan-00		
Parameter	**Units**	**BKG[a]**	**SSSL[b]**	**Result**	**>BKG**	**>SSSL**	**Result**	**>BKG**	**>SSSL**	**Result**	**>BKG**	**>SSSL**
BTEX												
Benzene	mg/L	NA	1.40E-03	5.60E-04			ND			2.10E-04		
LEAD												
Lead	mg/L	7.99E-03	1.50E-02	ND			ND			7.26E-02	YES	YES
POLYNUCLEAR AROMATIC HYDROCARBONS												
Phenanthrene	mg/L	NA	2.81E-01	ND			ND			1.30E-03		

[a] Concentration listed is two times (2x) the arithmetic mean of background metals concentration given in *Science Applications International Corporation (1998), Final Background Metals Survey Report, Fort McClellan, Alabama,* July.

[b] Residential human health site-specific screening level (SSSL) as given in IT Corporation (2000), *Final Human Health and Ecological Screening Values and PAH Background Summary Report, Fort McClellan, Calhoun County, Alabama,* July.

BTEX - Benzene, toluene, ethylbenzene, and xylene.

mg/L - Milligrams per liter.

BKG - Background.

SSSL - Site-specific screening level.

ND - Not detected.

NA - Not available.

Table 6-26

Sample Locations and Rationale
Dental Clinic Building 1929, Parcel 49(7)
Underground Storage Tank Closure Assessments
Fort McClellan, Calhoun County, Alabama

Parcel Number	Building Number	Tank Description	UXO (Yes or No)	Sample Location	Sample Media	Sample Location Rationale
49(7)	1929	One 1,500-gallon heating oil UST was removed and replaced with a 1,000-gallon UST in 1996.	No	UST-49-MW01	Subsurface soil and groundwater	Permanent monitoring well was installed and a subsurface soil sample was collected topographically downgradient (north-northeast) of the former 1,500-gallon heating oil UST and existing 1,000-gallon UST. Sample data were used to determine if either subsu
				UST-49-GP01	Subsurface soil	Soil boring for subsurface soil sample was collected topographically downgradient (north-northeast) of the former 1,500-gallon heating oil UST and existing 1,000-gallon UST. Sample data were used to indicate if subsurface soil contamination exists from p
				UST-49-GP02	Subsurface soil	Soil boring for subsurface soil sample was collected topographically upgradient (south-southwest) of the former 1,500-gallon heating oil UST and existing 1,000-gallon UST. Sample data were used to determine if contamination exists upgradient of the curre

UXO - Unexploded ordnance.
UST - Underground storage tank.

Table 6-27

Subsurface Soil Analytical Results
Dental Clinic Building 1929, Parcel 49(7)
Underground Storage Tank Closure Assessments
Fort McClellan, Calhoun County, Alabama

				Parcel	UST-49-GP01			UST-49-GP02			UST-49-MW01		
				Sample Location	UST-49			UST-49			UST-49		
				Sample Number	CJ0056			CJ0057			CJ0055		
				Sample Date	4-Nov-99			4-Nov-99			4-Nov-99		
				Sample Depth (Feet)	5-7			5-6			5-7		
Parameter	**Units**	**BKG[a]**	**SSSL[b]**	**Result**	**>BKG**	**>SSSL**	**Result**	**>BKG**	**>SSSL**	**Result**	**>BKG**	**>SSSL**
BTEX												
Ethylbenzene	mg/kg	NA	7.77E+02	1.40E-02			1.40E-02			1.30E-02		
Toluene	mg/kg	NA	1.55E+03	ND			8.70E-03			1.50E-02		
Xylene, Total	mg/kg	NA	1.55E+04	2.30E-02			2.30E-02			3.30E-02		
LEAD												
Lead	mg/kg	3.85E+01	4.00E+02	1.94E+01			1.61E+01			1.39E+01		
POLYNUCLEAR AROMATIC HYDROCARBONS												
Anthracene	mg/kg	NA	2.33E+03	ND			ND			5.50E-02		
Benzo(a)anthracene	mg/kg	NA	8.51E-01	ND			ND			7.50E-02		
Benzo(a)pyrene	mg/kg	NA	8.51E-02	ND			ND			2.10E-01		YES
Benzo(b)fluoranthene	mg/kg	NA	8.51E-01	ND			ND			1.70E-01		
Benzo(ghi)perylene	mg/kg	NA	2.32E+02	ND			ND			1.30E-01		
Benzo(k)fluoranthene	mg/kg	NA	8.51E+00	ND			ND			1.10E-01		
Chrysene	mg/kg	NA	8.61E+01	ND			ND			1.50E-01		
Dibenz(a,h)anthracene	mg/kg	NA	8.61E-02	ND			ND			2.70E-02		
Fluoranthene	mg/kg	NA	3.09E+02	ND			ND			1.30E-01		
Indeno(1,2,3-cd)pyrene	mg/kg	NA	8.51E-01	ND			ND			1.90E-01		
Phenanthrene	mg/kg	NA	2.32E+03	ND			ND			2.70E-02		
Pyrene	mg/kg	NA	2.33E+02	ND			ND			9.50E-02		

[a] Concentration listed is two times (2x) the arithmetic mean of background metals concentration given in Science Applications International Corporation (1998), *Final Background Metals Survey Report, Fort McClellan, Alabama,* July.

[b] Residential human health site-specific screening level (SSSL) as given in IT Corporation (2000), *Final Human Health and Ecological Screening Values and PAH Background Summary Report, Fort McClellan, Calhoun County, Alabama,* July.

BTEX - Benzene, toluene, ethylbenzene, and xylene.

mg/kg - Milligrams per kilogram.

BKG - Background.

SSSL - Site-specific screening level.

ND - Not detected.

NA - Not available.

Table 6-28

Sample Locations and Rationale
PX Building 1965, Parcel 50(7)
Underground Storage Tank Closure Assessments
Fort McClellan, Calhoun County, Alabama

Parcel Number	Building Number	Tank Description	UXO (Yes or No)	Sample Location	Sample Media	Sample Location Rationale
50(7)	1965	One 3,000-gallon heating oil UST was closed in place in 1996.	No	UST-50-MW01	Subsurface soil and groundwater	Permanent monitoring well was installed and a subsurface soil sample was collected topographically downgradient (north-northeast) of the removed 3,000-gallon heating oil UST, on the southern side of Building 1965. Sample data were used to determine if ei
				UST-50-GP01	Subsurface soil	Soil boring for subsurface soil sample was collected topographically downgradient (north-northeast) of the removed 3,000-gallon heating oil UST, on the southern side of Building 1965. Sample data were used to indicate if subsurface soil contamination exi
				UST-50-GP02	Subsurface soil	Soil boring for subsurface soil sample was collected topographically upgradient (south-southwest) of the removed 3,000-gallon heating oil UST. Sample data were used to determine if contamination exists upgradient of the UST.

UXO - Unexploded ordnance.
UST - Underground storage tank.

Table 6-28

Sample Locations and Rationale
PX Building 1965, Parcel 50(7)
Underground Storage Tank Closure Assessments
Fort McClellan, Calhoun County, Alabama

Parcel Number	Building Number	Tank Description	UXO (Yes or No)	Sample Location	Sample Media	Sample Location Rationale
50(7)	1965	One 3,000-gallon heating oil UST was closed in place in 1996.	No	UST-50-MW01	Subsurface soil and groundwater	Permanent monitoring well was installed and a subsurface soil sample was collected topographically downgradient (north-northeast) of the removed 3,000-gallon heating oil UST, on the southern side of Building 1965. Sample data were used to determine if ei
				UST-50-GP01	Subsurface soil	Soil boring for subsurface soil sample was collected topographically downgradient (north-northeast) of the removed 3,000-gallon heating oil UST, on the southern side of Building 1965. Sample data were used to indicate if subsurface soil contamination exi
				UST-50-GP02	Subsurface soil	Soil boring for subsurface soil sample was collected topographically upgradient (south-southwest) of the removed 3,000-gallon heating oil UST. Sample data were used to determine if contamination exists upgradient of the UST.

UXO - Unexploded ordnance.
UST - Underground storage tank.

Table 6-29

Subsurface Soil Analytical Results
PX Building 1965, Parcel 50(7)
Underground Storage Tank Closure Assessments
Fort McClellan, Calhoun County, Alabama

			Parcel	UST-50-GP01			UST-50-GP02			UST-50-MW01		
			Sample Location	UST-50			UST-50			UST-50		
			Sample Number	CJ0059			CJ0060			CJ0058		
			Sample Date	10-Nov-99			10-Nov-99			10-Nov-99		
			Sample Depth (Feet)	5-7			5-7			5-7		
Parameter	**Units**	**BKG[a]**	**SSSL[b]**	**Result**	**>BKG**	**>SSSL**	**Result**	**>BKG**	**>SSSL**	**Result**	**>BKG**	**>SSSL**
BTEX												
Ethylbenzene	mg/kg	NA	7.77E+02	ND			ND			1.40E-02		
Toluene	mg/kg	NA	1.55E+03	6.90E-03			ND			ND		
Xylene, Total	mg/kg	NA	1.55E+04	1.50E-02			1.30E-02			2.50E-02		
LEAD												
Lead	mg/kg	3.85E+01	4.00E+02	1.47E+01			2.28E+01			1.31E+01		

[a] Concentration listed is two times (2x) the arithmetic mean of background metals concentration given in Science Applications International Corporation (1998), *Final Background Metals Survey Report, Fort McClellan, Alabama,* July.

[b] Residential human health site-specific screening level (SSSL) as given in IT Corporation (2000), *Final Human Health and Ecological Screening Values and PAH Background Summary Report, Fort McClellan, Calhoun County, Alabama,* July.

BTEX - Benzene, toluene, ethylbenzene, and xylene.

mg/kg - Milligrams per kilogram.

BKG - Background.

SSSL - Site-specific screening level.

ND - Not detected.

NA - Not available.

Table 6-30

Groundwater Analytical Results
PX Building 1965, Parcel 50(7)
Underground Storage Tank Closure Assessment
Fort McClellan, Calhoun County, Alabama

			Parcel	UST-50-MW01		
			Sample Location	UST-50		
			Sample Number	CJ3050		
			Sample Date	26-Jan-00		
Parameter	**Units**	**BKG[a]**	**SSSL[b]**	**Result**	**>BKG**	**>SSSL**
BTEX						
Benzene	mg/L	NA	1.40E-03	2.30E-04		

[a] Concentration listed is two times (2x) the arithmetic mean of background metals concentration given in Science Applications International Corporation (1998), *Final Background Metals Survey Report, Fort McClellan, Alabama,* July.

[b] Residential human health site-specific screening level (SSSL) as given in IT Corporation (2000), *Final Human Health and Ecological Screening Values and PAH Background Summary Report, Fort McClellan, Calhoun County, Alabama,* July.

BTEX - Benzene, toluene, ethylbenzene, and xylene.

mg/L - Milligrams per liter.

BKG - Background.

SSSL - Site-specific screening level.

NA - Not available.

Table 6-31

Sample Locations and Rationale
Post Office Building 1966, Parcel 51(7)
Underground Storage Tank Closure Assessments
Fort McClellan, Calhoun County, Alabama

Parcel Number	Building Number	Tank Description	UXO (Yes or No)	Sample Location	Sample Media	Sample Location Rationale
51(7)	1966	One 1,000-gallon heating oil UST was closed in place and replaced with a second 1,000-gallon double-walled fiberglass UST in 1996.	No	UST-51-MW01	Subsurface soil and groundwater	Permanent monitoring well was installed and a subsurface soil sample was collected topographically downgradient (north-northeast) of the 1,000-gallon heating oil UST that was abandoned in-place on the northern side of Building 1966. Sample data were used
				UST-51-GP01	Subsurface soil	Soil boring for subsurface soil sample was collected topographically downgradient (north-northeast) of the 1,000-gallon heating oil UST that was abandoned in-place, on the northern side of Building 1966. Sample data were used to indicate if subsurface so
				UST-51-GP02	Subsurface soil	Soil boring for subsurface soil sample was collected topographically upgradient (south-southwest) of the 1,000-gallon heating oil UST that was abandoned in-place, on the northern side of Building 1966. Sample data were used to determine if contaminatio

UXO - Unexploded ordnance.
UST - Underground storage tank.

Table 6-32

Subsurface Soil Analytical Results
Post Office Building 1966, Parcel 51(7)
Underground Storage Tank Closure Assessments
Fort McClellan, Calhoun County, Alabama

			Parcel	UST-51-GP01			UST-51-GP02			UST-51-MW01		
			Sample Location	UST-51			UST-51			UST-51		
			Sample Number	CJ0062			CJ0065			CJ0061		
			Sample Date	4-Nov-99			3-Nov-99			3-Nov-99		
			Sample Depth (Feet)	4-6			6-8			6-8		
Parameter	**Units**	**BKG[a]**	**SSSL[b]**	**Result**	**>BKG**	**>SSSL**	**Result**	**>BKG**	**>SSSL**	**Result**	**>BKG**	**>SSSL**
BTEX												
Ethylbenzene	mg/kg	NA	7.77E+02	1.40E-02			1.20E-02			1.40E-02		
Xylene, Total	mg/kg	NA	1.55E+04	1.80E-02			1.40E-02			2.10E-02		
LEAD												
Lead	mg/kg	3.85E+01	4.00E+02	1.67E+01			2.26E+01			1.85E+01		

[a] Concentration listed is two times (2x) the arithmetic mean of background metals concentration given in Science Applications International Corporation (1998), *Final Background Metals Survey Report, Fort McClellan, Alabama,* July.

[b] Residential human health site-specific screening level (SSSL) as given in IT Corporation (2000), *Final Human Health and Ecological Screening Values and PAH Background Summary Report, Fort McClellan, Calhoun County, Alabama,* July.

BTEX - Benzene, toluene, ethylbenzene, and xylene.

mg/kg - Milligrams per kilogram.

BKG - Background.

SSSL - Site-specific screening level.

NA - Not available.

Table 6-33

Groundwater Analytical Results
Post Office Building 1966, Parcel 51(7)
Underground Storage Tank Closure Assessments
Fort McClellan, Calhoun County, Alabama

			Parcel	UST-51-MW01		
			Sample Location	UST-51		
			Sample Number	CJ3052		
			Sample Date	27-Jan-00		
Parameter	**Units**	**BKG[a]**	**SSSL[b]**	**Result**	**>BKG**	**>SSSL**
BTEX						
Benzene	mg/L	NA	1.40E-03	3.00E-04		

[a] Concentration listed is two times (2x) the arithmetic mean of background metals concentration given in *Science Applications International Corporation (1998), Final Background Metals Survey Report, Fort McClellan, Alabama,* July.

[b] Residential human health site-specific screening level (SSSL) as given in IT Corporation (2000), *Final Human Health and Ecological Screening Values and PAH Background Summary Report, Fort McClellan, Calhoun County, Alabama,* July.

BTEX - Benzene, toluene, ethylbenzene, and xylene.

mg/L - Milligrams per liter.

BKG - Background.

SSSL - Site-specific screening level.

NA - Not available.

Table 6-34

Sample Locations and Rationale
Barracks Building 3131, Parcel 54(7)
Underground Storage Tank Closure Assessments
Fort McClellan, Calhoun County, Alabama

Parcel Number	Building Number	Tank Description	UXO (Yes or No)	Sample Location	Sample Media	Sample Location Rationale
54(7)	3131	One 20,000-gallon heating oil UST was removed in 1996. The UST was not replaced.	Yes	UST-54-MW01	Subsurface soil and groundwater	Permanent monitoring well was installed and a subsurface soil sample was collected topographically downgradient (south-southeast) of the removed 20,000-gallon heating oil UST, on the southwestern side of Building 3131. Sample data were used to determine i
				UST-54-GP01	Subsurface soil	Soil boring for subsurface soil sample was collected topographically downgradient (south-southeast) of the removed 20,000-gallon heating oil UST, on the southwestern side of Building 3131. Sample data were used to indicate if subsurface soil contaminat
				UST-54-GP02	Subsurface soil	Soil boring for subsurface soil sample was collected topographically upgradient (north-northwest) of he removed 20,000-gallon heating oil UST. Sample data were used to determine if contamination exists upgradient of the removed UST.

UXO - Unexploded ordnance.
UST - Underground storage tank.

Table 6-35

Subsurface Soil Analytical Results
Barracks Building 3131, Parcel 54(7)
Underground Storage Tank Closure Assessments
Fort McClellan, Calhoun County, Alabama

				Parcel	UST-54-GP01			UST-54-GP02			UST-54-MW01		
				Sample Location	UST-54			UST-54			UST-54		
				Sample Number	CJ0067			CJ0068			CJ0066		
				Sample Date	25-Oct-99			25-Oct-99			25-Oct-99		
				Sample Depth (Feet)	10-12			10-12			6-8		
Parameter	**Units**	**BKG[a]**	**SSSL[b]**	**Result**	**>BKG**	**>SSSL**	**Result**	**>BKG**	**>SSSL**	**Result**	**>BKG**	**>SSSL**
BTEX												
Xylene, Total	mg/kg	NA	1.55E+04	2.60E-02			ND			ND		
LEAD												
Lead	mg/kg	3.85E+01	4.00E+02	8.00E+00			1.64E+01			1.21E+01		
POLYNUCLEAR AROMATIC HYDROCARBONS												
Benzo(a)anthracene	mg/kg	NA	8.51E-01	ND			ND			2.00E-02		
Benzo(a)pyrene	mg/kg	NA	8.51E-02	ND			ND			2.60E-02		
Benzo(b)fluoranthene	mg/kg	NA	8.51E-01	ND			ND			2.40E-02		
Benzo(ghi)perylene	mg/kg	NA	2.32E+02	ND			ND			1.40E-02		
Benzo(k)fluoranthene	mg/kg	NA	8.51E+00	ND			ND			1.40E-02		
Chrysene	mg/kg	NA	8.61E+01	ND			ND			2.40E-02		
Fluoranthene	mg/kg	NA	3.09E+02	ND			ND			6.00E-02		
Indeno(1,2,3-cd)pyrene	mg/kg	NA	8.51E-01	ND			ND			2.20E-02		
Phenanthrene	mg/kg	NA	2.32E+03	ND			ND			3.80E-02		
Pyrene	mg/kg	NA	2.33E+02	ND			ND			4.30E-02		

[a] Concentration listed is two times (2x) the arithmetic mean of background metals concentration given in Science Applications International Corporation (1998), *Final Background Metals Survey Report, Fort McClellan, Alabama,* July.

[b] Residential human health site-specific screening level (SSSL) as given in IT Corporation (2000), *Final Human Health and Ecological Screening Values and PAH Background Summary Report, Fort McClellan, Calhoun County, Alabama,* July.

BTEX - Benzene, toluene, ethylbenzene, and xylene.

mg/kg - Milligrams per kilogram.

BKG - Background.

SSSL - Site-specific screening level.

ND - Not detected.

NA - Not available.

Table 6-35

Subsurface Soil Analytical Results
Barracks Building 3131, Parcel 54(7)
Underground Storage Tank Closure Assessments
Fort McClellan, Calhoun County, Alabama

Table 6-36

Groundwater Analytical Results
Barracks Building 3131, Parcel 54(7)
Underground Storage Tank Closure Assessments
Fort McClellan, Calhoun County, Alabama

			Parcel	UST-54-MW01		
			Sample Location	UST-54		
			Sample Number	CJ3053		
			Sample Date	16-Dec-99		
Parameter	**Units**	**BKG[a]**	**SSSL[b]**	**Result**	**>BKG**	**>SSSL**
BTEX						
Xylene, Total	mg/L	NA	2.80E+00	2.30E-04		

[a] Concentration listed is two times (2x) the arithmetic mean of background metals concentration given in Science Applications International Corporation (1998), *Final Background Metals Survey Report, Fort McClellan, Alabama,* July.

[b] Residential human health site-specific screening level (SSSL) as given in IT Corporation (2000), *Final Human Health and Ecological Screening Values and PAH Background Summary Report, Fort McClellan, Calhoun County, Alabama,* July.

BTEX - Benzene, toluene, ethylbenzene, and xylene.

mg/L - Milligrams per liter.

BKG - Background.

SSSL - Site-specific screening level.

NA - Not available.

Table 6-37

Sample Locations and Rationale
Headquarters Building 3161, Parcel 55(7)
Underground Storage Tank Closure Assessments
Fort McClellan, Calhoun County, Alabama

Parcel Number	Building Number	Tank Description	UXO (Yes or No)	Sample Location	Sample Media	Sample Location Rationale
55(7)	3161	One 1,000-gallon heating oil UST was removed in 1996. The UST was not replaced.	Yes	UST-55-MW01	Subsurface soil and groundwater	Permanent monitoring well was installed and a subsurface soil sample was collected topographically downgradient (south-southeast) of the removed 1,000-gallon heating oil UST, on the southwestern side of Building 3161. Sample data were used to determine if
				UST-55-GP01	Subsurface soil	Soil boring for subsurface soil sample was collected topographically downgradient (south-southeast) of the removed 1,000-gallon heating oil UST, on the southwestern side of Building 3161. Sample data were used to indicate if subsurface soil contamination
				UST-55-GP02	Subsurface soil	Soil boring for subsurface soil sample was collected topographically upgradient (north-northwest) of the removed 1,000-gallon heating oil UST. Sample data were used to determine if contamination exists upgradient of the removed UST.

UXO - Unexploded ordnance.
UST - Underground storage tank.

Table 6-38

Subsurface Soil Analytical Results
Headquarters Building 3161, Parcel 55(7)
Underground Storage Tank Closure Assessments
Fort McClellan, Calhoun County, Alabama

				Parcel	UST-55-GP01			UST-55-GP02			UST-55-MW01		
				Sample Location	UST-55			UST-55			UST-55		
				Sample Number	CJ0070			CJ0071			CJ0069		
				Sample Date	26-Oct-99			26-Oct-99			26-Oct-99		
				Sample Depth (Feet)	10-12			10-12			10-12		
Parameter	**Units**	**BKG[a]**	**SSSL[b]**	**Result**	**>BKG**	**>SSSL**	**Result**	**>BKG**	**>SSSL**	**Result**	**>BKG**	**>SSSL**
BTEX												
Ethylbenzene	mg/kg	NA	7.77E+02	1.60E-02			3.10E-02			3.10E-02		
Toluene	mg/kg	NA	1.55E+03	ND			7.00E-03			ND		
Xylene, Total	mg/kg	NA	1.55E+04	1.90E-02			8.10E-02			7.40E-02		
LEAD												
Lead	mg/kg	3.85E+01	4.00E+02	1.59E+01			2.06E+01			1.76E+01		
POLYNUCLEAR AROMATIC HYDROCARBONS												
Benzo(a)anthracene	mg/kg	NA	8.51E-01	ND			5.60E-03			ND		
Chrysene	mg/kg	NA	8.61E+01	ND			4.30E-03			ND		
Fluoranthene	mg/kg	NA	3.09E+02	ND			1.60E-02			8.10E-03		
Pyrene	mg/kg	NA	2.33E+02	ND			1.00E-02			6.80E-03		

[a] Concentration listed is two times (2x) the arithmetic mean of background metals concentration given in Science Applications International Corporation (1998), *Final Background Metals Survey Report, Fort McClellan, Alabama,* July.

[b] Residential human health site-specific screening level (SSSL) as given in IT Corporation (2000), *Final Human Health and Ecological Screening Values and PAH Background Summary Report, Fort McClellan, Calhoun County, Alabama,* July.

BTEX - Benzene, toluene, ethylbenzene, and xylene.

mg/kg - Milligrams per kilogram.

BKG - Background.

SSSL - Site-specific screening level.

ND - Not detected.

NA - Not available.

Table 6-39

Groundwater Analytical Results
Headquarters Building 3161, Parcel 55(7)
Underground Storage Tank Closure Assessments
Fort McClellan, Calhoun County, Alabama

				Parcel	UST-55-MW01	
				Sample Location	UST-55	
				Sample Number	CJ3054	
				Sample Date	15-Dec-99	
Parameter	**Units**	**BKG[a]**	**SSSL[b]**	**Result**	**>BKG**	**>SSSL**
BTEX						
Ethylbenzene	mg/L	NA	1.40E-01	2.80E-04		
Xylene, Total	mg/L	NA	2.80E+00	7.40E-04		
POLYNUCLEAR AROMATIC HYDROCARBONS						
Naphthalene	mg/L	NA	3.00E-03	9.60E-04		

[a] Concentration listed is two times (2x) the arithmetic mean of background metals concentration given in Science Applications International Corporation (1998), *Final Background Metals Survey Report, Fort McClellan, Alabama,* July.

[b] Residential human health site-specific screening level (SSSL) as given in IT Corporation (2000), *Final Human Health and Ecological Screening Values and PAH Background Summary Report, Fort McClellan, Calhoun County, Alabama,* July.

BTEX - Benzene, toluene, ethylbenzene, and xylene.

mg/L - Milligrams per liter.

BKG - Background.

SSSL - Site-specific screening level.

NA - Not available.

Table 6-40

Sample Locations and Rationale
Community Club Building 3212, Parcel 56(7)
Underground Storage Tank Closure Assessments
Fort McClellan, Calhoun County, Alabama

Parcel Number	Building Number	Tank Description	UXO (Yes or No)	Sample Location	Sample Media	Sample Location Rationale
56(7)	3212	One 2,500-gallon heating oil UST was closed in place and replaced with a second UST in 1996.	No	UST-56-MW01	Subsurface soil and groundwater	Permanent monitoring well was installed and a subsurface soil sample was collected topographically downgradient (south-southeast) of the 2,500-gallon heating oil UST that was abandoned in-place, on the southeastern side of Building 3212. Sample data were
				UST-56-GP01	Subsurface soil	Soil boring for subsurface soil sample was collected topographically downgradient (south-southeast) of the 2,500-gallon heating oil UST that was abandoned in-place, on the southeastern side of Building 3212. Sample data were used to determine if subsurfa
				UST-56-GP02	Subsurface soil	Soil boring for subsurface soil sample was collected topographically upgradient (north-northwest) of the 2,500-gallon heating oil UST. Sample data were used to determine if contamination exists upgradient of the 2,500-gallon heating oil UST that was aban

UXO - Unexploded ordnance.
UST - Underground storage tank.

Table 6-41

Subsurface Soil Analytical Results
Community Club Building 3212, Parcel 56(7)
Underground Storage Tank Closure Assessments
Fort McClellan, Calhoun County, Alabama

				Parcel	UST-56-GP01			UST-56-GP02			UST-56-MW01		
				Sample Location	UST-56			UST-56			UST-56		
				Sample Number	CJ0073			CJ0074			CJ0072		
				Sample Date	8-Nov-99			8-Nov-99			8-Nov-99		
				Sample Depth (Feet)	7-8			10-12			1-2		
Parameter	**Units**	**BKG[a]**	**SSSL[b]**	**Result**	**>BKG**	**>SSSL**	**Result**	**>BKG**	**>SSSL**	**Result**	**>BKG**	**>SSSL**
BTEX												
Ethylbenzene	mg/kg	NA	7.77E+02	ND			1.20E-02			1.60E-02		
Toluene	mg/kg	NA	1.55E+03	ND			6.50E-03			1.40E-02		
Xylene, Total	mg/kg	NA	1.55E+04	4.00E-02			2.30E-02			4.10E-02		
LEAD												
Lead	mg/kg	3.85E+01	4.00E+02	3.90E+00			1.49E+01			1.25E+01		
POLYNUCLEAR AROMATIC HYDROCARBONS												
Acenaphthene	mg/kg	NA	4.63E+02	6.40E-02			ND			ND		
Benzo(a)anthracene	mg/kg	NA	8.51E-01	ND			ND			4.40E-03		
Fluorene	mg/kg	NA	3.09E+02	3.00E-01			ND			ND		
Naphthalene	mg/kg	NA	1.55E+02	1.30E-01			ND			ND		
Pyrene	mg/kg	NA	2.33E+02	ND			ND			5.30E-03		

[a] Concentration listed is two times (2x) the arithmetic mean of background metals concentration given in Science Applications International Corporation (1998), *Final Background Metals Survey Report, Fort McClellan, Alabama,* July.

[b] Residential human health site-specific screening level (SSSL) as given in IT Corporation (2000), *Final Human Health and Ecological Screening Values and PAH Background Summary Report, Fort McClellan, Calhoun County, Alabama,* July.

BTEX - Benzene, toluene, ethyl benzene, and xylene.

mg/kg - Milligrams per kilogram.

BKG - Background.

SSSL - Site-specific screening level.

ND - Not detected.

NA - Not available.

Table 6-42

Groundwater Analytical Results
Community Club Building 3212, Parcel 56(7)
Underground Storage Tank Closure Assessments
Fort McClellan, Calhoun County, Alabama

			Parcel	UST-56-MW01		
			Sample Location	UST-56		
			Sample Number	CJ3055		
			Sample Date	25-Jan-00		
Parameter	**Units**	**BKG[a]**	**SSSL[b]**	**Result**	**>BKG**	**>SSSL**
BTEX						
Benzene	mg/L	NA	1.40E-03	3.30E-04		

[a] Concentration listed is two times (2x) the arithmetic mean of background metals concentration given in Science Applications International Corporation (1998), *Final Background Metals Survey Report* , *Fort McClellan, Alabama,* July.

[b] Residential human health site-specific screening level (SSSL) as given in IT Corporation (2000), *Final Human Health and Ecological Screening Values and PAH Background Summary Report, Fort McClellan, Calhoun County, Alabama,* July.

BTEX - Benzene, toluene, ethylbenzene, and xylene.

mg/L - Milligrams per liter.

BKG - Background.

SSSL - Site-specific screening level.

NA - Not available.

Table 6-43

Sample Locations and Rationale
Recreation Center Building 3213, Parcel 57(7)
Underground Storage Tank Closure Assessments
Fort McClellan, Calhoun County, Alabama

Parcel Number	Building Number	Tank Description	UXO (Yes or No)	Sample Location	Sample Media	Sample Location Rationale
57(7)	3213	One 4,000-gallon heating oil UST that was removed in 1996.	No	UST-57-MW01	Subsurface soil and groundwater	Permanent monitoring well was installed and a subsurface soil sample was collected topographically downgradient (south) of the 4,000-gallon heating oil UST formerly located on the south-western side of building 3213. The UST was removed in 1996. Sampl
				UST-57-GP01	Subsurface soil	Soil boring for subsurface soil sample was collected topographically downgradient (south-southeast) of the removed 4,000-gallon heating oil UST, on the southwestern side of Building 3213. Sample data were used to indicate if subsurface soil contaminati
				UST-57-GP02	Subsurface soil	Soil boring for subsurface soil sample was collected topographically upgradient (north-northwest) of the removed 4,000-gallon heating oil UST. Sample data were used to determine if contamination exists upgradient of the former UST.

UXO - Unexploded ordnance.
UST - Underground storage tank.

Table 6-44

Subsurface Soil Analytical Results
Recreation Center Building 3213, Parcel 57(7)
Underground Storage Tank Closure Assessments
Fort McClellan, Calhoun County, Alabama

		Sample Depth (Feet)		4-5			6-8			10-12		
Parameter	**Units**	**BKG[a]**	**SSSL[b]**	**Result**	**>BKG**	**>SSSL**	**Result**	**>BKG**	**>SSSL**	**Result**	**>BKG**	**>SSSL**
BTEX												
Benzene	mg/kg	NA	2.17E+01	2.00E-02			ND			ND		
Ethylbenzene	mg/kg	NA	7.77E+02	1.30E-01			1.50E-02			1.50E-02		
Toluene	mg/kg	NA	1.55E+03	8.70E-02			ND			5.80E-03		
Xylene, Total	mg/kg	NA	1.55E+04	8.00E-01			3.00E-02			2.00E-02		
LEAD												
Lead	mg/kg	3.85E+01	4.00E+02	1.22E+01			1.52E+01			1.61E+01		
POLYNUCLEAR AROMATIC HYDROCARBONS												
Acenaphthene	mg/kg	NA	4.63E+02	2.50E-01			ND			ND		
Acenaphthylene	mg/kg	NA	4.63E+02	2.40E-01			ND			ND		
Fluorene	mg/kg	NA	3.09E+02	1.20E+00			ND			ND		
Naphthalene	mg/kg	NA	1.55E+02	1.20E+00			ND			ND		

[a] Concentration listed is two times (2x) the arithmetic mean of background metals concentration given in Science Applications International Corporation (1998), *Final Background Metals Survey Report, Fort McClellan, Alabama,* July.

[b] Residential human health site-specific screening level (SSSL) as given in IT Corporation (2000), *Final Human Health and Ecological Screening Values and PAH Background Summary Report, Fort McClellan, Calhoun County, Alabama,* July.

BTEX - Benzene, toluene, ethylbenzene, and xylene.

mg/kg - Milligrams per kilogram.

BKG - Background.

SSSL - Site-specific screening level.

ND - Not detected.

NA - Not available.

Table 6-45

Groundwater Analytical Results
Recreation Center Building 3213, Parcel 57(7)
Underground Storage Tank Closure Assessments
Fort McClellan, Calhoun County, Alabama

			Parcel	UST-57-MW01		
			Sample Location	UST-57		
			Sample Number	CJ3056		
			Sample Date	25-Jan-00		
Parameter	**Units**	**BKG[a]**	**SSSL[b]**	**Result**	**>BKG**	**>SSSL**
BTEX						
Benzene	mg/L	NA	1.40E-03	8.20E-04		
Xylene, Total	mg/L	NA	2.80E+00	5.60E-04		

[a] Concentration listed is two times (2x) the arithmetic mean of background metals concentration given in Science Applications International Corporation (1998), *Final Background Metals Survey Report, Fort McClellan, Alabama,* July.

[b] Residential human health site-specific screening level (SSSL) as given in IT Corporation (2000), *Final Human Health and Ecological Screening Values and PAH Background Summary Report, Fort McClellan, Calhoun County, Alabama,* July.

BTEX - Benzene, toluene, ethylbenzene, and xylene.

mg/L - Milligrams per liter.

BKG - Background.

SSSL - Site-specific screening level.

NA - Not available.

Table 6-46

Sample Locations and Rationale
Chapel Building 3293, Parcel 58(7)
Underground Storage Tank Closure Assessments
Fort McClellan, Calhoun County, Alabama

Parcel Number	Building Number	Tank Description	UXO (Yes or No)	Sample Location	Sample Media	Sample Location Rationale
58(7)	3293	One 4,000-gallon heating oil UST was removed in 1996. The UST was not replaced.	No	UST-58-MW01	Subsurface soil and groundwater	Permanent monitoring well was installed and a subsurface soil sample was collected topographically downgradient (south-southeast) of the removed 4,000-gallon heating oil UST, near the northwestern corner of Building 3293. Sample data were used to determin
				UST-58-GP01	Subsurface soil	Soil boring for subsurface soil sample was collected topographically downgradient (south-southeast) of the removed 4,000-gallon heating oil UST, near the northwestern corner of Building 3293. Sample data were used to indicate if subsurface soil contamina
				UST-58-GP02	Subsurface soil	Soil boring for subsurface soil sample was collected topographically upgradient (north-northwest) of the removed 4,000-gallon heating oil UST. Sample data were used to determine if contamination exists upgradient of the former UST.

UXO - Unexploded ordnance.
UST - Underground storage tank.

Table 6-47

Subsurface Soil Analytical Results
Chapel Building 3293, Parcel 58(7)
Underground Storage Tank Closure Assessments
Fort McClellan, Calhoun County, Alabama

			Parcel	UST-58-GP01			UST-58-GP02			UST-58-MW01		
			Sample Location	UST-58			UST-58			UST-58		
			Sample Number	CJ0079			CJ0080			CJ0078		
			Sample Date	4-Nov-99			4-Nov-99			4-Nov-99		
			Sample Depth (Feet)	5-7			5-7			4-6		
Parameter	**Units**	**BKG[a]**	**SSSL[b]**	**Result**	**>BKG**	**>SSSL**	**Result**	**>BKG**	**>SSSL**	**Result**	**>BKG**	**>SSSL**
BTEX												
Ethylbenzene	mg/kg	NA	7.77E+02	1.20E-02			2.80E-02			1.60E-02		
Xylene, Total	mg/kg	NA	1.55E+04	1.90E-02			4.40E-02			3.00E-02		
LEAD												
Lead	mg/kg	3.85E+01	4.00E+02	1.83E+01			2.01E+01			2.37E+01		

[a] Concentration listed is two times (2x) the arithmetic mean of background metals concentration given in Science Applications International Corporation (1998), *Final Background Metals Survey Report, Fort McClellan, Alabama,* July.

[b] Residential human health site-specific screening level (SSSL) as given in IT Corporation (2000), *Final Human Health and Ecological Screening Values and PAH Background Summary Report, Fort McClellan, Calhoun County, Alabama,* July.

BTEX - Benzene, toluene, ethylbenzene, and xylene.

mg/kg - Milligrams per kilogram.

BKG - Background.

SSSL - Site-specific screening level.

NA - Not available.

Table 6-48

Sample Locations and Rationale
Personnel Building 162, Parcel 63(7)
Underground Storage Tank Closure Assessments
Fort McClellan, Calhoun County, Alabama

Parcel Number	Building Number	Tank Description	UXO (Yes or No)	Sample Location	Sample Media	Sample Location Rationale
63(7)	162	One 2,500-gallon heating oil UST was removed in 1996. The UST was not replaced.	No	UST-63-MW01	Subsurface soil and groundwater	Permanent monitoring well was installed and a subsurface soil sample was collected topographically downgradient (east/southeast) of the removed 2,500-gallon heating oil UST. Sample data were used to determine if either subsurface soil or groundwater cont
				UST-63-GP01	Subsurface soil	Soil boring for subsurface soil sample was collected northeast of the removed 2,500-gallon heating oil UST, on the southern side of Building 162. Sample data were used to indicate if subsurface soil contamination exists from previous leaks or spills.
				UST-63-GP02	Subsurface soil	Soil boring for subsurface soil sample was collected topographically upgradient (north-northwest) of the removed 2,500-gallon heating oil UST. Sample data were used to determine if contamination exists upgradient of the former UST.

UXO - Unexploded ordnance.
UST - Underground storage tank.

Table 6-49

Subsurface Soil Analytical Results
Personnel Building 162, Parcel 63(7)
Underground Storage Tank Closure Assessments
Fort McClellan, Calhoun County, Alabama

			Parcel	UST-63-GP01			UST-63-GP02			UST-63-MW01		
			Sample Location	UST-63			UST-63			UST-63		
			Sample Number	CJ0082			CJ0083			CJ0081		
			Sample Date	9-Nov-99			9-Nov-99			9-Nov-99		
			Sample Depth (Feet)	10-12			10-12			10-12		
Parameter	**Units**	**BKG[a]**	**SSSL[b]**	**Result**	**>BKG**	**>SSSL**	**Result**	**>BKG**	**>SSSL**	**Result**	**>BKG**	**>SSSL**
BTEX												
Toluene	mg/kg	NA	1.55E+03	6.30E-03			ND			ND		
Xylene, Total	mg/kg	NA	1.55E+04	2.20E-02			1.50E-02			1.90E-02		
LEAD												
Lead	mg/kg	3.85E+01	4.00E+02	2.06E+01			1.27E+01			1.40E+01		

[a] Concentration listed is two times (2x) the arithmetic mean of background metals concentration given in Science Applications International Corporation (1998), *Final Background Metals Survey Report, Fort McClellan, Alabama,* July.

[b] Residential human health site-specific screening level (SSSL) as given in IT Corporation (2000), *Final Human Health and Ecological Screening Values and PAH Background Summary Report, Fort McClellan, Calhoun County, Alabama,* July.

BTEX - Benzene, toluene, ethylbenzene, and xylene.

mg/kg - Milligrams per kilogram.

BKG - Background.

SSSL - Site-specific screening level.

ND - Not detected.

NA - Not available.

Table 6-50

Groundwater Analytical Results
Personnel Building 162, Parcel 63(7)
Underground Storage Tank Closure Assessments
Fort McClellan, Calhoun County, Alabama

			Parcel	UST-63-MW01		
			Sample Location	UST-63		
			Sample Number	CJ3032		
			Sample Date	17-Feb-00		
Parameter	**Units**	**BKG[a]**	**SSSL[b]**	**Result**	**>BKG**	**>SSSL**
BTEX						
Benzene	mg/L	NA	1.40E-03	8.80E-04		

[a] Concentration listed is two times (2x) the arithmetic mean of background metals concentration given in Science Applications International Corporation (1998), *Final Background Metals Survey Report, Fort McClellan, Alabama, July.*

[b] Residential human health site-specific screening level (SSSL) as given in IT Corporation (2000), *Final Human Health and Ecological Screening Values and PAH Background Summary Report, Fort McClellan, Calhoun County, Alabama,* July.

BTEX - Benzene, toluene, ethylbenzene, and xylene.

mg/L - Milligrams per liter.

BKG - Background.

SSSL - Site-specific screening level.

NA - Not available.

Table 6-51

Sample Locations and Rationale
WAC Museum Building 1077, Parcel 167(7)
Underground Storage Tank Closure Assessments
Fort McClellan, Calhoun County, Alabama

Parcel Number	Building Number	Tank Description	UXO (Yes or No)	Sample Location	Sample Media	Sample Location Rationale
167(7)	1077	One 1,000-gallon heating oil UST was removed in August, 1996. The UST was not replaced.	No	UST-167-MW01	Subsurface soil and groundwater	Permanent monitoring well was installed and a subsurface soil sample was collected topographically downgradient (west/northwest) of the removed 1,000-gallon heating oil UST. Sample data were used to determine if either subsurface soil or groundwater co
				UST-167-GP01	Subsurface soil	Soil boring for subsurface soil sample was collected topographically downgradient (west/northwest) of the removed 1,000-gallon heating oil UST, on the northwestern side of Building 1077. Sample data were used to indicate if subsurface soil contaminatio
				UST-167-GP02	Subsurface soil	Soil boring for subsurface soil sample was collected topographically upgradient (east/southeast) of the removed 1,000-gallon heating oil UST. Sample data were used to determine if contamination exists upgradient of the former UST.

UXO - Unexploded ordnance.
UST - Underground storage tank.
WAC - Women's Army Corps.

Table 6-52

Subsurface Soil Analytical Results
WAC Museum Building 1077, Parcel 167(7)
Underground Storage Tank Closure Assessments
Fort McClellan, Calhoun County, Alabama

				Parcel	UST-167-GP01			UST-167-GP02			UST-167-MW01		
				Sample Location	UST-167			UST-167			UST-167		
				Sample Number	CJ0085			CJ0086			CJ0084		
				Sample Date	3-Nov-99			3-Nov-99			3-Nov-99		
				Sample Depth (Feet)	5-6			5-7			5-7		
Parameter	**Units**	**BKG[a]**	**SSSL[b]**	**Result**	**>BKG**	**>SSSL**	**Result**	**>BKG**	**>SSSL**	**Result**	**>BKG**	**>SSSL**
BTEX												
Ethylbenzene	mg/kg	NA	7.77E+02	1.10E-02			ND			1.80E-02		
Xylene, Total	mg/kg	NA	1.55E+04	1.70E-02			1.50E-02			3.10E-02		
LEAD												
Lead	mg/kg	3.85E+01	4.00E+02	1.36E+01			1.32E+01			1.12E+01		

[a] Concentration listed is two times (2x) the arithmetic mean of background metals concentration given in Science Applications International Corporation (1998), *Final Background Metals Survey Report, Fort McClellan, Alabama,* July.

[b] Residential human health site-specific screening level (SSSL) as given in IT Corporation (2000), *Final Human Health and Ecological Screening Values and PAH Background Summary Report, Fort McClellan, Calhoun County, Alabama,* July.

BTEX - Benzene, toluene, ethylbenzene, and xylene.

mg/kg - Milligrams per kilogram.

BKG - Background.

SSSL - Site-specific screening level.

ND - Not detected.

NA - Not available.

WAC - Women's Army Corps.

Table 6-53

Groundwater Analytical Results
WAC Museum Building 1077, Parcel 167(7)
Underground Storage Tank Closure Assessments
Fort McClellan, Calhoun County, Alabama

				Parcel	UST-167-MW01	
				Sample Location	UST-167	
				Sample Number	CJ3059	
				Sample Date	8-Feb-00	
Parameter	**Units**	**BKG[a]**	**SSSL[b]**	**Result**	**>BKG**	**>SSSL**
LEAD						
Lead	mg/L	7.99E-03	1.50E-02	5.52E-02	YES	YES
POLYNUCLEAR AROMATIC HYDROCARBONS						
Phenanthrene	mg/L	NA	2.81E-01	3.80E-04		

[a] Concentration listed is two times (2x) the arithmetic mean of background metals concentration given in Science Applications International Corporation (1998), *Final Background Metals Survey Report, Fort McClellan, Alabama,* July.

[b] Residential human health site-specific screening level (SSSL) as given in IT Corporation (2000), *Final Human Health and Ecological Screening Values and PAH Background Summary Report, Fort McClellan, Calhoun County, Alabama,* July.

mg/L - Milligrams per liter.

BKG - Background.

SSSL - Site-specific screening level.

NA - Not available.

WAC - Women's Army Corps.

Table 6-54

Sample Locations and Rationale
Building 1338, Parcel 502(7)
Underground Storage Tank Closure Assessments
Fort McClellan, Calhoun County, Alabama

Parcel Number	Building Number	Tank Description	UXO (Yes or No)	Sample Location	Sample Media	Sample Location Rationale
502(7)	1338	One 150-gallon gasoline UST was removed and replaced with a second 500-gallon UST in 1996.	No	UST-502-MW01	Groundwater	Permanent monitoring well was installed topographically downgradient (west/northwest) of the removed 150-gallon heating oil UST located on the eastern side of Building 1338. Sample data were used to determine if groundwater contamination exists from pre
				UST-502-MW02	Groundwater	Permanent monitoring well was installed topographically downgradient (west/northwest) of the removed 150-gallon heating oil UST located on the eastern side of Building 1338. Sample data were used to determine if groundwater contamination exists from pre
				UST-502-MW03	Groundwater	Permanent monitoring well was installed topographically upgradient of the former 150-gallon UST excavation area. Sample data were used to determine if contamination exists upgradient of the former UST. Monitoring well was used to establish a local groun
				UST-502-GP01	Subsurface soil	Soil boring for subsurface soil sample was collected topographically downgradient (west/northwest) of the removed 150-gallon heating oil UST. Sample data were used to indicate if subsurface soil contamination exists from previous leaks or spills.
				UST-502-GP02	Subsurface soil	Soil boring for subsurface soil sample was collected within the vicinity of the removed 150-gallon heating oil UST excavation area. Sample data were used to determine if residual soil contamination exists within the area of the removed UST.
				UST-502-GP03	Subsurface soil	Soil boring for subsurface soil sample was collected upgradient of the removed 150-gallon UST excavation area. Sample data were used to determine if contamination exists upgradient of the former UST.

UXO - Unexploded ordnance.
UST - Underground storage tank.

Table 6-55

Subsurface Soil Analytical Results
Building 1338, Parcel 502(7)
Underground Storage Tank Closure Assessments
Fort McClellan, Calhoun County, Alabama

			Parcel	UST-502-GP01			UST-502-GP02			UST-502-GP03		
			Sample Location	UST-502			UST-502			UST-502		
			Sample Number	CJ0087			CJ0088			CJ0089		
			Sample Date	1-Nov-99			1-Nov-99			1-Nov-99		
			Sample Depth (Feet)	10-12			10-12			10-12		
Parameter	**Units**	**BKG[a]**	**SSSL[b]**	**Result**	**>BKG**	**>SSSL**	**Result**	**>BKG**	**>SSSL**	**Result**	**>BKG**	**>SSSL**
BTEX												
Benzene	mg/kg	NA	2.17E+01	ND			ND			3.90E-02		
Ethylbenzene	mg/kg	NA	7.77E+02	ND			1.30E-02			2.60E-02		
Toluene	mg/kg	NA	1.55E+03	ND			ND			1.30E-02		
Xylene, Total	mg/kg	NA	1.55E+04	1.40E-02			1.60E-02			1.60E-02		
LEAD												
Lead	mg/kg	3.85E+01	4.00E+02	6.40E+00			8.60E+00			8.60E+00		

[a] Concentration listed is two times (2x) the arithmetic mean of background metals concentration given in Science Applications International Corporation (1998), *Final Background Metals Survey Report, Fort McClellan, Alabama,* July.

[b] Residential human health site-specific screening level (SSSL) as given in IT Corporation (2000), *Final Human Health and Ecological Screening Values and PAH Background Summary Report, Fort McClellan, Calhoun County, Alabama,* July.

BTEX - Benzene, toluene, ethylbenzene, and xylene.

mg/kg - Milligrams per kilogram.

BKG - Background.

SSSL - Site-specific screening level.

ND - Not detected.

NA - Not available.

Table 6-56

Groundwater Analytical Results
Building 1338, Parcel 502(7)
Underground Storage Tank Closure Assessments
Fort McClellan, Calhoun County, Alabama

				Parcel	UST-502-MW01			UST-502-MW02			UST-502-MW03		
				Sample Location	UST-502			UST-502			UST-502		
				Sample Number	CJ3060			CJ3061			CJ3062		
				Sample Date	18-Jan-00			19-Jan-00			20-Jan-00		
Parameter	**Units**	**BKG[a]**	**SSSL[b]**		**Result**	**>BKG**	**>SSSL**	**Result**	**>BKG**	**>SSSL**	**Result**	**>BKG**	**>SSSL**
BTEX													
Benzene	mg/L	NA	1.40E-03		ND			ND			9.10E-04		
Toluene	mg/L	NA	2.59E-01		ND			ND			2.90E-04		

[a] Concentration listed is two times (2x) the arithmetic mean of background metals concentration given in Science Applications International Corporation (1998), *Final Background Metals Survey Report, Fort McClellan, Alabama,* July.

[b] Residential human health site-specific screening level (SSSL) as given in IT Corporation (2000), *Final Human Health and Ecological Screening Values and PAH Background Summary Report, Fort McClellan, Calhoun County, Alabama,* July.

BTEX - Benzene, toluene, ethylbenzene, and xylene.

mg/L - Milligrams per liter.

BKG - Background.

SSSL - Site-specific screening level.

ND - Not detected.

NA - Not available.

Table 6-57

Sample Locations and Rationale
Building 3179, Parcel 505(7)
Underground Storage Tank Closure Assessments
Fort McClellan, Calhoun County, Alabama

Parcel Number	Building Number	Tank Description	UXO (Yes or No)	Sample Location	Sample Media	Sample Location Rationale
505(7)	3179	One 1,400-gallon gasoline UST was removed by IT in April, 1991. Location of the removed UST is not known.	No	UST-505-MW01	Groundwater	One permanent monitoring well was installed topographically downgradient and north/northwest of Building 3179. Sample data were used to indicate if groundwater contamination exists from the former 1,400-gallon UST. The monitoring well was used to esta
				UST-505-MW02	Groundwater	One permanent monitoring well was installed downgradient and west of Building 3179. Sample data were used to indicate if groundwater contamination exists from the former 1,400-gallon UST. The monitoring well was used to establish a local groundwater
				UST-505-GP01	Subsurface soil	Soil boring for subsurface soil sample was collected topographically downgradient (west/northwest) of Building 3179. Sample data were used to indicate if residual soil contamination exists from previous leaks or spills.
				UST-505-GP02	Subsurface soil	Soil boring for subsurface soil sample was collected on the eastern side of Building 3179 and topographically upgradient of Building 3179. Sample data were used to determine if subsurface soil contamination exists from previous leaks or spills.
				UST-505-GP03	Subsurface soil	Soil boring for subsurface soil sample was collected on the southern side of Building 3179. Sample data were used to determine if subsurface soil contamination exists from previous leaks or spills.

UXO - Unexploded ordnance.
UST - Underground storage tank.
IT - IT Corporation.

Table 6-58

Subsurface Soil Analytical Results
Building 3179, Parcel 505(7)
Underground Storage Tank Closure Assessments
Fort McClellan, Calhoun County, Alabama

				Parcel	UST-505-GP01			UST-505-GP02			UST-505-GP03		
				Sample Location	UST-505			UST-505			UST-505		
				Sample Number	CJ0091			CJ0092			CJ0093		
				Sample Date	28-Oct-99			28-Oct-99			28-Oct-99		
				Sample Depth (Feet)	10-12			10-12			10-12		
Parameter	**Units**	**BKG[a]**	**SSSL[b]**	**Result**	**>BKG**	**>SSSL**	**Result**	**>BKG**	**>SSSL**	**Result**	**>BKG**	**>SSSL**
BTEX												
Ethylbenzene	mg/kg	NA	7.77E+02	1.20E-02			1.70E-02			ND		
Toluene	mg/kg	NA	1.55E+03	ND			7.40E-03			1.20E-02		
Xylene, Total	mg/kg	NA	1.55E+04	1.30E-02			2.50E-02			2.70E+00		
LEAD												
Lead	mg/kg	3.85E+01	4.00E+02	9.70E+00			1.20E+01			1.62E+01		

[a] Concentration listed is two times (2x) the arithmetic mean of background metals concentration given in Science Applications International Corporation (1998), *Final Background Metals Survey Report, Fort McClellan, Alabama,* July.

[b] Residential human health site-specific screening level (SSSL) as given in IT Corporation (2000), *Final Human Health and Ecological Screening Values and PAH Background Summary Report, Fort McClellan, Calhoun County, Alabama,* July.

BTEX - Benzene, toluene, ethylbenzene, and xylene.

mg/kg - Milligrams per kilogram.

BKG - Background.

SSSL - Site-specific screening level.

ND - Not detected.

Table 6-59

Groundwater Analytical Results
Building 3179, Parcel 505(7)
Underground Storage Tank Closure Assessments
Fort McClellan, Calhoun County, Alabama

				Parcel	UST-505-MW01			UST-505-MW02		
				Sample Location	UST-505			UST-505		
				Sample Number	CJ3063			CJ3064		
				Sample Date	10-Jan-00			10-Jan-00		
Parameter	**Units**	**BKG**	**SSSL**	**Result**	**>BKG**	**>SSSL**	**Result**	**>BKG**	**>SSSL**
BTEX									
Toluene	mg/L	NA	2.59E-01	5.60E-04			2.60E-04		

[a] Concentration listed is two times (2x) the arithmetic mean of background metals concentration given in Science Applications International Corporation (1998), *Final Background Metals Survey Report, Fort McClellan, Alabama,* July.

[b] Residential human health site-specific screening level (SSSL) as given in IT Corporation (2000), *Final Human Health and Ecological Screening Values and PAH Background Summary Report, Fort McClellan, Calhoun County, Alabama,* July.

BTEX - Benzene, toluene, ethylbenzene, and xylene.

mg/L - Milligrams per liter.

BKG - Background.

SSSL - Site-specific screening level.

NA - Not available.

Table 6-60

Sample Locations and Rationale
Building 3691, Parcel 506(7)
Underground Storage Tank Closure Assessments
Fort McClellan, Calhoun County, Alabama

Parcel Number	Building Number	Tank Description	UXO (Yes or No)	Sample Location	Sample Media	Sample Location Rationale
506(7)	3691	One 150-gallon gasoline UST closed in place and replaced with a second 150-gallon UST in 1996.	No	UST-506-MW01	Subsurface soil and groundwater	Permanent monitoring well was installed and a subsurface soil sample was collected topographically downgradient (west) of the150-gallon gasoline UST abandoned in-place in the southeastern corner of Building 3691. Sample data were used to determine if eit
				UST-506-GP01	Subsurface soil	Soil boring for subsurface soil sample was collected topographically downgradient (west/northwest) of the abandoned 150-gallon gasoline UST. Sample data were used to indicate if subsurface soil contamination exists from previous leaks or spills.
				UST-506-GP02	Subsurface soil	Soil boring for subsurface soil sample was collected topographically upgradient (east/southeast) of the abandoned 150-gallon gasoline UST. Sample data were used to determine if contamination exists upgradient of the UST.

UXO - Unexploded ordnance.
UST - Underground storage tank.

Table 6-61

Subsurface Soil Analytical Results
Building 3691, Parcel 506(7)
Underground Storage Tank Closure Assessments
Fort McClellan, Calhoun County, Alabama

				Parcel	UST-506-GP01			UST-506-GP02			UST-506-MW01	
				Sample Location	UST-506			UST-506			UST-506	
				Sample Number	CJ0095			CJ0096			CJ0094	
				Sample Date	5-Nov-99			5-Nov-99			5-Nov-99	
				Sample Depth (Feet)	8-10			6-8			8-10	
Parameter	**Units**	**BKG[a]**	**SSSL[b]**	**Result**	**>BKG**	**>SSSL**	**Result**	**>BKG**	**>SSSL**	**Result**	**>BKG**	**>SSSL**
BTEX												
Ethylbenzene	mg/kg	NA	7.77E+02	1.50E-02			2.10E-02			2.00E-02		
Toluene	mg/kg	NA	1.55E+03	8.00E-03			1.30E-02			9.90E-03		
Xylene, Total	mg/kg	NA	1.55E+04	2.90E-02			3.80E-02			3.90E-02		
LEAD												
Lead	mg/kg	3.85E+01	4.00E+02	9.40E+00			6.20E+00			7.20E+00		

[a] Concentration listed is two times (2x) the arithmetic mean of background metals concentration given in Science Applications International Corporation (1998), *Final Background Metals Survey Report, Fort McClellan, Alabama,* July.

[b] Residential human health site-specific screening level (SSSL) as given in IT Corporation (2000), *Final Human Health and Ecological Screening Values and PAH Background Summary Report, Fort McClellan, Calhoun County, Alabama,* July.

BTEX - Benzene, toluene, ethylbenzene, and xylene.

mg/kg - Milligrams per kilogram.

BKG - Background.

SSSL - Site-specific screening level.

NA - Not available.